



Answer Key

GRADE 2 • MODULE 3

Place Value, Counting, and Comparison of Numbers to 1,000

Lesson 1

Problem Set

Appropriate model (ones, tens, and hundreds)
for 435 drawn

Appropriate model (ones, tens, and hundreds)
for 673 drawn

Appropriate model (ones, tens, and hundreds)
for the number given drawn

Appropriate model (ones, tens, and hundreds)
for the number given drawn

Exit Ticket

1. Lines are drawn to show the following:
10 tens = 1 hundred
10 hundreds = 1 thousand
10 ones = 1 ten
2. 2 hundreds circled
9 ones boxed
3. Appropriate model drawn and labeled 627

Homework

1. 8; 8
2. 4; 40
3. 3 hundreds
6 tens
8 ones
4. 400; 60; 8
468
5. Drawings will vary.
40

Lesson 2

Problem Set

- 100 drawn, labeled, and boxed
Units are appropriately drawn to show counting from 100 to 124; Answers will vary.
- 124 drawn, labeled, and boxed
Units are appropriately drawn to show counting from 124 to 220; Answers will vary.
- 85 drawn, labeled, and boxed
Units are appropriately drawn to show counting from 85 to 120; Answers will vary.
- 120 drawn, labeled, and boxed
Units are appropriately drawn to show counting from 120 to 193; Answers will vary.

Exit Ticket

- 211 straws
110 straws
- Counting from 96 to 140 with ones and tens appropriately shown; Pictures will vary.
- 36, 37, 38, 39; 50, 60, 70, 80, 90; 200

Homework

- 40, 4; 40
- 14
 - 1
 - 140
- Explanations will vary.
- Counting from 68 to 130 using tens and ones appropriately shown; Explanations will vary.
- 17 bundles of 10 straws are appropriately drawn; 170

Lesson 3

Sprint

Side A

- | | | | |
|--------|--------|--------|--------|
| 1. 2 | 12. 16 | 23. 3 | 34. 11 |
| 2. 12 | 13. 1 | 24. 13 | 35. 1 |
| 3. 4 | 14. 11 | 25. 2 | 36. 11 |
| 4. 14 | 15. 3 | 26. 12 | 37. 4 |
| 5. 6 | 16. 13 | 27. 4 | 38. 14 |
| 6. 16 | 17. 5 | 28. 14 | 39. 1 |
| 7. 2 | 18. 15 | 29. 1 | 40. 11 |
| 8. 12 | 19. 2 | 30. 11 | 41. 3 |
| 9. 4 | 20. 12 | 31. 3 | 42. 13 |
| 10. 14 | 21. 4 | 32. 13 | 43. 2 |
| 11. 6 | 22. 14 | 33. 1 | 44. 12 |

Side B

- | | | | |
|--------|--------|--------|--------|
| 1. 1 | 12. 15 | 23. 5 | 34. 12 |
| 2. 11 | 13. 2 | 24. 15 | 35. 1 |
| 3. 3 | 14. 12 | 25. 1 | 36. 11 |
| 4. 13 | 15. 4 | 26. 11 | 37. 5 |
| 5. 5 | 16. 14 | 27. 3 | 38. 15 |
| 6. 15 | 17. 6 | 28. 13 | 39. 2 |
| 7. 1 | 18. 16 | 29. 2 | 40. 12 |
| 8. 11 | 19. 1 | 30. 12 | 41. 4 |
| 9. 3 | 20. 11 | 31. 3 | 42. 14 |
| 10. 13 | 21. 3 | 32. 13 | 43. 1 |
| 11. 5 | 22. 13 | 33. 2 | 44. 11 |

Problem Set

1. 90 drawn, labeled, and boxed
Units appropriately drawn to show counting from 90 to 300; Answers will vary.
2. 300 drawn, labeled, and boxed
Units appropriately drawn to show counting from 300 to 428; Answers will vary.
3. 428 drawn, labeled, and boxed
Units appropriately drawn to show counting from 428 to 600; Answers will vary.
4. 600 drawn, labeled, and boxed
Units appropriately drawn to show counting from 600 to 1,000

Exit Ticket

1. Lines drawn to show the following:
300 to 900 matched to hundreds
97 to 300 matched to ones and hundreds
484 to 1,000 matched to ones, tens, and hundreds
743 to 800 matched to ones and tens
2. Drawings will vary.

Homework

1.
 - a. 15, 16, 17, 18, 19; 30, 40
 - b. 74, 75, 76, 77, 78, 79; 90; 200; 310
 - c. 66, 67, 68, 69; 80, 90
 - d. 40, 50, 60, 70, 80, 90; 200, 300
2. 344
3. Ones, tens, and hundreds appropriately drawn to show counting from 668 to 900
4.
 - a. 232 sticks
 - b. Hundreds and tens appropriately drawn; 562

Lesson 4

Sprint

Side A

1. 15	12. 11	23. 15	34. 11
2. 13	13. 16	24. 13	35. 13
3. 14	14. 18	25. 18	36. 19
4. 12	15. 14	26. 17	37. 18
5. 19	16. 13	27. 16	38. 11
6. 15	17. 14	28. 15	39. 13
7. 11	18. 18	29. 15	40. 18
8. 16	19. 13	30. 13	41. 16
9. 18	20. 17	31. 12	42. 15
10. 19	21. 18	32. 19	43. 14
11. 17	22. 18	33. 16	44. 17

Side B

1. 14	12. 12	23. 15	34. 13
2. 15	13. 15	24. 16	35. 15
3. 18	14. 13	25. 13	36. 17
4. 12	15. 14	26. 12	37. 16
5. 19	16. 11	27. 18	38. 15
6. 13	17. 18	28. 18	39. 15
7. 13	18. 16	29. 12	40. 14
8. 20	19. 14	30. 16	41. 12
9. 13	20. 19	31. 19	42. 15
10. 20	21. 17	32. 18	43. 14
11. 18	22. 17	33. 16	44. 18

Problem Set

1. Counting from 476 to 600 shown, numbers underlined where bundled to make a larger unit
2. Counting from 47 to 200 shown, numbers underlined where bundled to make a larger unit
3. Counting from 188 to 510 shown, numbers underlined where bundled to make a larger unit
4. Counting from 389 to 801 shown, numbers underlined where bundled to make a larger unit

Exit Ticket

1. c. hundred
2. 563
3. Answers will vary.

Homework

1. 257
2. 1, 0, 0
3. c. thousand
4. 5, 8, 5
5. 1, 2
6. Counting from 170 to 410 using tens and hundreds, at least 1 benchmark number circled
7. 129

Lesson 5

Problem Set

Answers will vary.

Exit Ticket

1. c. 60
2. d. 235
3. b. 168
4. 9 hundreds 5 ones

Homework

1. 700
2.
 - a. Whole: 333; parts: 300, 30, 3; unit form: 3 hundreds 3 tens 3 ones
 - b. Whole: 330; parts: 300, 30; unit form: 3 hundreds 3 tens
 - c. Whole: 303; parts: 300, 3; unit form: 3 hundreds 3 ones
3. Lines are drawn to show the following:
 - a. 1 hundred 1 one = 101
 - b. 1 ten 1 one = 11
 - c. 7 tens 1 one = 71
 - d. 7 hundreds 1 one = 701
 - e. 1 hundred 1 ten = 110
 - f. 7 hundreds 1 ten = 710

Lesson 6

Problem Set

- | | |
|-------------------------|---------|
| 1. $200 + 30 + 1 = 231$ | 9. 132 |
| 2. $300 + 10 + 2 = 312$ | 10. 312 |
| 3. $500 + 20 + 7 = 527$ | 11. 257 |
| 4. $700 + 50 + 2 = 752$ | 12. 572 |
| 5. $200 + 1 = 201$ | 13. 201 |
| 6. $300 + 10 = 310$ | 14. 103 |
| 7. $500 + 7 = 507$ | 15. 705 |
| 8. $700 + 50 = 750$ | 16. 507 |

Exit Ticket

- | | |
|----------------|-------------------|
| 1. Number Form | 2. Expanded Form |
| a. 322 | a. $900 + 70 + 4$ |
| b. 476 | b. $400 + 30 + 5$ |
| c. 719 | c. $30 + 5$ |
| d. 250 | d. $300 + 10$ |
| e. 602 | e. $700 + 3$ |
| f. 332 | |

Homework

1.
 - a. 230
 - b. 40
 - c. 960
 - d. 470
 - e. 850
 - f. 519
 - g. 417
 - h. 14
 - i. 913
 - j. 815
 - k. 590
 - l. 213
 - m. 916
2.
 - a. 244
 - b. 399
 - c. 125
 - d. 650
 - e. 403
 - f. 976
3.
 - a. $500 + 30 + 3$
 - b. $300 + 50 + 5$
 - c. $60 + 7$
 - d. $400 + 60$
 - e. $800 + 1$

Lesson 7

Sprint

Side A

- | | | | |
|--------|---------|---------|---------|
| 1. 21 | 12. 230 | 23. 425 | 34. 715 |
| 2. 22 | 13. 340 | 24. 261 | 35. 705 |
| 3. 23 | 14. 450 | 25. 201 | 36. 347 |
| 4. 29 | 15. 560 | 26. 301 | 37. 307 |
| 5. 39 | 16. 670 | 27. 401 | 38. 532 |
| 6. 49 | 17. 780 | 28. 501 | 39. 502 |
| 7. 89 | 18. 235 | 29. 701 | 40. 502 |
| 8. 44 | 19. 345 | 30. 352 | 41. 602 |
| 9. 55 | 20. 456 | 31. 302 | 42. 642 |
| 10. 17 | 21. 567 | 32. 117 | 43. 713 |
| 11. 25 | 22. 678 | 33. 107 | 44. 738 |

Side B

- | | | | |
|--------|---------|---------|---------|
| 1. 11 | 12. 120 | 23. 536 | 34. 815 |
| 2. 12 | 13. 230 | 24. 371 | 35. 805 |
| 3. 13 | 14. 340 | 25. 301 | 36. 237 |
| 4. 19 | 15. 450 | 26. 401 | 37. 207 |
| 5. 29 | 16. 560 | 27. 501 | 38. 642 |
| 6. 39 | 17. 670 | 28. 601 | 39. 602 |
| 7. 79 | 18. 345 | 29. 901 | 40. 602 |
| 8. 33 | 19. 456 | 30. 463 | 41. 603 |
| 9. 44 | 20. 567 | 31. 403 | 42. 643 |
| 10. 87 | 21. 678 | 32. 115 | 43. 815 |
| 11. 95 | 22. 789 | 33. 105 | 44. 729 |

Problem Set**Match Part 1**

- | | |
|---------------------|--------|
| A. 234 | H. 903 |
| B. Answer provided. | I. 673 |
| C. 763 | J. 213 |
| D. 204 | K. 650 |
| E. 402 | L. 930 |
| F. 743 | M. 123 |
| G. 470 | |

Match Part 2

- | | |
|--------|--------|
| A. 509 | G. 434 |
| B. 434 | H. 863 |
| C. 863 | I. 434 |
| D. 509 | J. 863 |
| E. 863 | K. 509 |
| F. 509 | L. 434 |

Exit Ticket

- | | |
|----------------------------|---------------------|
| 1. Three hundred forty-two | 3. a. 170 |
| 2. a. 226 | b. $100 + 70$ |
| b. 803 | c. 1 hundred 7 tens |
| c. 556 | |
| d. 863 | |

Homework

- | | | | | |
|----|----|-------------------------|----|---------------|
| 1. | a. | 741 | 3. | 30 |
| | b. | $700 + 40 + 1$ | 4. | 6 |
| | c. | Seven hundred forty-one | 5. | 221, 212, 122 |
| 2. | a. | 560 | | |
| | b. | $500 + 60$ | | |
| | c. | Five hundred sixty | | |

Lesson 8

Problem Set

- \$100, \$10, \$10, \$10, \$1, \$1, \$1, \$1, \$1, \$1; \$100 + \$30 + \$6; Number bond provided.
- \$100, \$100, \$100, \$100, \$10, \$10, \$10, \$10, \$10, \$1; \$400 + \$50 + \$1;
whole: \$451; parts: \$400, \$50, \$1
- \$100, \$10, \$10, \$10, \$10, \$10, \$10, \$10, \$10, \$10; \$100 + \$90; whole: \$190; parts: \$100, \$90
- \$100, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1; \$100 + \$9; whole: \$109; parts: \$100, \$9
- \$100, \$100, \$100, \$100, \$10, \$10, \$10, \$10, \$10, \$10; \$400 + \$60; whole: \$460; parts: \$400, \$60
- \$100, \$100, \$100, \$100, \$1, \$1, \$1, \$1, \$1, \$1; \$400 + \$6; whole: \$406; parts: \$400, \$6
- \$100, \$100, \$100, \$100, \$100, \$10, \$10, \$10, \$10, \$10; \$500 + \$50; whole: \$550; parts: \$500, \$50
- \$100, \$100, \$100, \$100, \$100, \$10, \$10, \$10, \$10, \$1; \$500 + \$40 + \$1;
whole: \$541; parts: \$500, \$40, \$1
- \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$1; \$900 + \$1; whole: \$901; parts: \$900, \$1
- \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$10; \$900 + \$10;
whole: \$910; parts: \$900, \$10
- \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$100, \$100; \$1000; no number bond
- \$10, \$10, \$10, \$10, \$10, \$10, \$10, \$10, \$10, \$10; \$100; no number bond

Exit Ticket

- \$356
\$300 + \$50 + 6
- \$39
- \$142 with 1 \$100s, 4 \$10s, and 2 \$1s drawn
\$142 with 14 \$10s and 2 \$1s drawn

Homework

- \$91; \$217
- \$100, \$10, \$10, \$10, \$10, \$10, \$10, \$10, \$1, \$1; \$100, \$100, \$10, \$10, \$1, \$1, \$1, \$1, \$1, \$1
- Bills appropriately drawn; \$44

Lesson 9

Problem Set

1. Recordings will vary. Count shows 230.
2. Recordings will vary. Count shows 150.
3. Recordings will vary. Count shows 540.
4. Recordings will vary. Count shows 170.
5. Recordings will vary. Count shows 132.
6. Recordings will vary. Count shows 225.
7. Recordings will vary. Count shows 214.
8. Recordings will vary. Count shows 282.

Exit Ticket

1. Recordings will vary. Count shows 155.
2. Recordings will vary. Count shows 155.
3. Recordings will vary. Count shows 124.
Number of hundreds, tens, and ones will vary.

Homework

1.
 - a. \$1000
 - b. \$100
 - c. \$10
 - d. \$532
2. Answers will vary. Count shows \$430.
3. Recordings will vary. Count shows \$414.
4. \$50

Lesson 10

Sprint

Side A

- | | | | |
|---------|---------|---------|-----------|
| 1. 123 | 12. 730 | 23. 877 | 34. 849 |
| 2. 124 | 13. 703 | 24. 392 | 35. 729 |
| 3. 125 | 14. 33 | 25. 480 | 36. 305 |
| 4. 128 | 15. 733 | 26. 607 | 37. 500 |
| 5. 138 | 16. 940 | 27. 264 | 38. 600 |
| 6. 148 | 17. 904 | 28. 109 | 39. 1,000 |
| 7. 178 | 18. 44 | 29. 580 | 40. 482 |
| 8. 519 | 19. 944 | 30. 580 | 41. 365 |
| 9. 518 | 20. 870 | 31. 452 | 42. 232 |
| 10. 517 | 21. 807 | 32. 452 | 43. 767 |
| 11. 513 | 22. 77 | 33. 873 | 44. 555 |

Side B

- | | | | |
|---------|---------|---------|-----------|
| 1. 134 | 12. 780 | 23. 766 | 34. 863 |
| 2. 135 | 13. 708 | 24. 294 | 35. 927 |
| 3. 136 | 14. 88 | 25. 570 | 36. 304 |
| 4. 139 | 15. 788 | 26. 806 | 37. 600 |
| 5. 149 | 16. 920 | 27. 474 | 38. 700 |
| 6. 159 | 17. 902 | 28. 709 | 39. 1,000 |
| 7. 189 | 18. 22 | 29. 850 | 40. 610 |
| 8. 418 | 19. 922 | 30. 850 | 41. 811 |
| 9. 417 | 20. 760 | 31. 482 | 42. 832 |
| 10. 416 | 21. 706 | 32. 482 | 43. 157 |
| 11. 412 | 22. 66 | 33. 573 | 44. 645 |

Problem Set

Drawings and explanations will vary. There are 100 \$10 bills in \$1000.

Exit Ticket

Strategy different from previously explained. Drawings and explanations will vary.

Homework

Drawings and explanations will vary. There are 100 \$10 bills in a \$1000.

Lesson 11

Sprint

Side A

1. 3	12. 1	23. 6	34. 8
2. 3	13. 5	24. 2	35. 5
3. 2	14. 5	25. 10	36. 3
4. 1	15. 3	26. 10	37. 9
5. 5	16. 2	27. 8	38. 9
6. 5	17. 7	28. 2	39. 6
7. 4	18. 7	29. 7	40. 3
8. 1	19. 5	30. 7	41. 9
9. 9	20. 2	31. 4	42. 9
10. 9	21. 8	32. 3	43. 4
11. 8	22. 8	33. 8	44. 5

Side B

1. 4	12. 1	23. 5	34. 8
2. 4	13. 6	24. 2	35. 5
3. 3	14. 6	25. 10	36. 3
4. 1	15. 4	26. 10	37. 10
5. 6	16. 2	27. 8	38. 10
6. 6	17. 9	28. 2	39. 7
7. 5	18. 9	29. 7	40. 3
8. 1	19. 7	30. 7	41. 9
9. 10	20. 2	31. 4	42. 9
10. 10	21. 7	32. 3	43. 4
11. 9	22. 7	33. 8	44. 5

Problem Set

1.
 - a. Twelve
1 ten 2 ones
 - b. One hundred twenty-four
1 hundred 2 tens 4 ones
 - c. One hundred four
1 hundred 4 ones
 - d. Two hundred ninety-nine
2 hundreds 9 tens 9 ones
 - e. Two hundred
2 hundreds
2.
 - a. Twenty-five
2 tens 5 ones
 - b. Two hundred fifty
2 hundreds 5 tens
 - c. Five hundred twenty
5 hundreds 2 tens
 - d. Five hundred two
5 hundreds 2 ones
 - e. Two hundred five
2 hundreds 5 ones
 - f. Thirty-six
3 tens 6 ones
 - g. Three hundred sixty
3 hundreds 6 tens
 - h. Six hundred thirty
6 hundreds 3 tens
 - i. Six hundred three
6 hundreds 3 ones
 - j. Three hundred six
3 hundreds 6 ones

Exit Ticket

1.
 - a. 36
 - b. 360
2.
 - a. 6 ones; 6 tens
 - b. 3 tens; 3 hundreds

Homework

1.
 - a. Fifteen
1 ten 5 ones
 - b. One hundred fifty-two
1 hundred 5 tens 2 ones
 - c. One hundred two
1 hundred 2 ones
 - d. Two hundred ninety
2 hundreds 9 tens
 - e. Three hundred
3 hundreds
2.
 - a. Forty-two
4 tens 2 ones
 - b. Four hundred twenty
4 hundreds 2 tens
 - c. Three hundred twenty
3 hundreds 2 tens
 - d. Four hundred two
4 hundreds 2 ones
 - e. Four hundred forty-two
4 hundreds 4 tens 2 ones
 - f. Fifty-three
5 tens 3 ones
 - g. Five hundred thirty
5 hundreds 3 tens
 - h. Five hundred twenty
5 hundreds 2 tens
 - i. Five hundred three
5 hundreds 3 ones
 - j. Fifty-five
5 tens 5 ones

Lesson 12

Sprint

Side A

1. 4	12. 20	23. 9	34. 18
2. 14	13. 7	24. 19	35. 9
3. 6	14. 17	25. 7	36. 19
4. 16	15. 9	26. 17	37. 7
5. 8	16. 19	27. 9	38. 17
6. 18	17. 10	28. 19	39. 5
7. 6	18. 20	29. 7	40. 15
8. 16	19. 10	30. 17	41. 8
9. 8	20. 20	31. 9	42. 18
10. 18	21. 10	32. 19	43. 8
11. 10	22. 20	33. 8	44. 18

Side B

1. 3	12. 19	23. 10	34. 19
2. 13	13. 8	24. 20	35. 9
3. 5	14. 18	25. 6	36. 19
4. 15	15. 10	26. 16	37. 8
5. 7	16. 20	27. 8	38. 18
6. 17	17. 9	28. 18	39. 6
7. 5	18. 19	29. 8	40. 16
8. 15	19. 9	30. 18	41. 9
9. 7	20. 19	31. 9	42. 19
10. 17	21. 10	32. 19	43. 7
11. 9	22. 20	33. 9	44. 17

Problem Set

1. Yes; 1 ten
2. Yes; 1 hundred
3. No; 2 ones
4. Yes; 6 tens
5. No; 8 ones
6. Yes; 1 hundred

Exit Ticket

1. Lines are drawn to show the following:
 - a. 10 ones = 1 ten
 - b. 10 tens = 1 hundred
 - c. 10 hundreds = 1 thousand
2. 3 hundreds, 4 tens, and 8 ones drawn on the place value chart
 - a. 2
 - b. 5
 - c. 6

Homework

1. No; 3 ones
2. No; 8 ones
3. Yes; 1 hundred
4. No; 2 ones
5. No; 7 ones
6. Yes; 1 ten

Lesson 13

Sprint

Side A

- | | | | |
|--------|--------|---------|---------|
| 1. 50 | 12. 96 | 23. 84 | 34. 97 |
| 2. 62 | 13. 60 | 24. 84 | 35. 70 |
| 3. 63 | 14. 76 | 25. 70 | 36. 93 |
| 4. 68 | 15. 77 | 26. 58 | 37. 72 |
| 5. 64 | 16. 73 | 27. 59 | 38. 53 |
| 6. 64 | 17. 78 | 28. 52 | 39. 80 |
| 7. 80 | 18. 78 | 29. 57 | 40. 86 |
| 8. 94 | 19. 90 | 30. 57 | 41. 92 |
| 9. 95 | 20. 81 | 31. 100 | 42. 65 |
| 10. 98 | 21. 82 | 32. 74 | 43. 100 |
| 11. 96 | 22. 87 | 33. 83 | 44. 100 |

Side B

- | | | | |
|--------|--------|---------|---------|
| 1. 60 | 12. 86 | 23. 64 | 34. 76 |
| 2. 52 | 13. 70 | 24. 64 | 35. 60 |
| 3. 53 | 14. 96 | 25. 80 | 36. 74 |
| 4. 58 | 15. 97 | 26. 78 | 37. 83 |
| 5. 64 | 16. 93 | 27. 79 | 38. 92 |
| 6. 54 | 17. 98 | 28. 72 | 39. 90 |
| 7. 54 | 18. 98 | 29. 75 | 40. 68 |
| 8. 84 | 19. 50 | 30. 75 | 41. 73 |
| 9. 85 | 20. 61 | 31. 100 | 42. 87 |
| 10. 88 | 21. 62 | 32. 56 | 43. 100 |
| 11. 86 | 22. 67 | 33. 63 | 44. 100 |

Problem Set

- | | |
|---|--|
| 1. Draws 7 ten-disks, 2 one-disks
Says 7 tens 2 ones
Says seventy-two
Needs 8 more to change for 1 ten
Needs 2 more to change for 1 hundred | 4. Draws 1 hundred-disk, 7 ten-disks, 1 one-disk
Says 1 hundred 7 tens 1 one
Says one hundred seventy-one
Needs 9 more to change for 1 ten
Needs 2 more to change for 1 hundred |
| 2. Draws 4 hundred-disks, 2 ten-disks, 7 one-disks
Says 4 hundreds 2 tens 7 ones
Says four hundred twenty-seven
Needs 3 more to change for 1 ten
Needs 7 more to change for 1 hundred | 5. Draws 1 hundred-disk, 8 ten-disks, 7 one-disks
Says 1 hundred 8 tens 7 ones
Says one hundred eighty-seven
Needs 3 more to change for 1 ten
Needs 1 more to change for 1 hundred |
| 3. Draws 7 hundred-disks, 1 ten-disk, 3 one-disks
Says 7 hundreds 1 ten 3 ones
Says seven hundred thirteen
Needs 7 more to change for 1 ten
Needs 8 more to change for 1 hundred | 6. Draws 7 hundred-disks, 5 one-disks
Says 7 hundreds 5 ones
Says seven hundred five
Needs 5 more to change for 1 ten
Needs 9 more to change for 1 hundred |

Exit Ticket

- Draws 5 hundred-disks, 6 ten-disks
 - Draws 5 hundred-disks, 6 one-disks
- Answers will vary.

Homework*

- Draws 4 ten-disks, 3 one-disks
- Draws 4 hundred-disks, 3 ten-disks
- Draws 2 hundred-disks, 7 ten-disks
- Draws 7 hundred-disks, 2 ten-disks
- Draws 7 hundred-disks, 2 one-disks
- Draws 9 hundred-disks, 3 ten-disks, 6 one-disks

*Answers are not included for the questions at the bottom of the homework page.

Lesson 14

Sprint

Side A

1. 2	12. 16	23. 3	34. 11
2. 12	13. 1	24. 13	35. 1
3. 4	14. 11	25. 2	36. 11
4. 14	15. 3	26. 12	37. 4
5. 6	16. 13	27. 4	38. 14
6. 16	17. 5	28. 14	39. 1
7. 2	18. 15	29. 1	40. 11
8. 12	19. 2	30. 11	41. 3
9. 4	20. 12	31. 3	42. 13
10. 14	21. 4	32. 13	43. 2
11. 6	22. 14	33. 1	44. 12

Side B

1. 1	12. 15	23. 5	34. 12
2. 11	13. 2	24. 15	35. 1
3. 3	14. 12	25. 1	36. 11
4. 13	15. 4	26. 11	37. 5
5. 5	16. 14	27. 3	38. 15
6. 15	17. 6	28. 13	39. 2
7. 1	18. 16	29. 2	40. 12
8. 11	19. 1	30. 12	41. 4
9. 3	20. 11	31. 3	42. 14
10. 13	21. 3	32. 13	43. 1
11. 5	22. 13	33. 2	44. 11

Problem Set

1.
 - a. Draws 0 hundreds, 1 ten, 8 ones
Draws 18 ones
 - b. Draws 3 hundreds, 1 ten, 5 ones
Draws 3 hundreds, 15 ones
 - c. Draws 2 hundreds, 6 ones
Draws 20 tens, 6 ones
2.
 - a. 0, 1, 8
18
 - b. 3, 1, 5
3, 15
 - c. 2, 0, 6
20, 6
 - d. 4, 1, 9
41, 9
 - e. 5, 7
57
 - f. 7, 48
74, 8
 - g. 9, 9
90, 9
3. 40

Exit Ticket

1.
 - a. Draws 2 hundreds, 4 tens, 1 one
 - b. Draws 24 tens, 1 one
2.
 - a. 0, 4, 5
45
 - b. 6, 8, 2
6, 82

Homework

1.
 - a. 1, 6
16
 - b. 2, 1, 7
2, 17
 - c. 3, 2, 0
32, 0
 - d. 1, 3, 9
13, 9
 - e. 4, 7, 3
47, 3
 - f. 6, 8
68
 - g. 8, 17
81, 7
 - h. 9, 21
92, 1
2. Answers will vary.

Lesson 15

Sprint

Side A

- | | | | |
|--------|---------|---------|---------|
| 1. 21 | 12. 230 | 23. 425 | 34. 715 |
| 2. 22 | 13. 340 | 24. 261 | 35. 705 |
| 3. 23 | 14. 450 | 25. 201 | 36. 347 |
| 4. 29 | 15. 560 | 26. 301 | 37. 307 |
| 5. 39 | 16. 670 | 27. 401 | 38. 532 |
| 6. 49 | 17. 780 | 28. 501 | 39. 502 |
| 7. 89 | 18. 235 | 29. 701 | 40. 502 |
| 8. 44 | 19. 345 | 30. 352 | 41. 602 |
| 9. 55 | 20. 456 | 31. 302 | 42. 642 |
| 10. 17 | 21. 567 | 32. 117 | 43. 713 |
| 11. 25 | 22. 678 | 33. 107 | 44. 738 |

Side B

- | | | | |
|--------|---------|---------|---------|
| 1. 11 | 12. 120 | 23. 536 | 34. 815 |
| 2. 12 | 13. 230 | 24. 371 | 35. 805 |
| 3. 13 | 14. 340 | 25. 301 | 36. 237 |
| 4. 19 | 15. 450 | 26. 401 | 37. 207 |
| 5. 29 | 16. 560 | 27. 501 | 38. 642 |
| 6. 39 | 17. 670 | 28. 601 | 39. 602 |
| 7. 79 | 18. 345 | 29. 901 | 40. 602 |
| 8. 33 | 19. 456 | 30. 463 | 41. 603 |
| 9. 44 | 20. 567 | 31. 403 | 42. 643 |
| 10. 87 | 21. 678 | 32. 115 | 43. 815 |
| 11. 95 | 22. 789 | 33. 105 | 44. 729 |

Problem Set

1. 140; explanations will vary
2. 16; explanations will vary
3. No; 5 more boxes are needed; explanations will vary
4. Answers will vary.

Exit Ticket

Explanations will vary.

Homework

1. 13
2. 3
3. 70

Lesson 16

Sprint

Side A

1. 10	12. 17	23. 10	34. 14
2. 11	13. 10	24. 11	35. 10
3. 12	14. 13	25. 12	36. 11
4. 18	15. 14	26. 16	37. 13
5. 10	16. 16	27. 10	38. 10
6. 11	17. 10	28. 11	39. 12
7. 12	18. 16	29. 12	40. 13
8. 17	19. 10	30. 15	41. 10
9. 10	20. 15	31. 10	42. 12
10. 13	21. 10	32. 11	43. 10
11. 14	22. 15	33. 12	44. 11

Side B

1. 10	12. 17	23. 10	34. 13
2. 11	13. 10	24. 11	35. 10
3. 12	14. 13	25. 12	36. 11
4. 16	15. 14	26. 15	37. 12
5. 10	16. 18	27. 10	38. 10
6. 11	17. 10	28. 11	39. 12
7. 12	18. 16	29. 12	40. 14
8. 17	19. 10	30. 14	41. 10
9. 10	20. 15	31. 10	42. 13
10. 13	21. 10	32. 11	43. 10
11. 14	22. 15	33. 12	44. 11

Problem Set 1

Draws 4 hundreds, 7 tens, 2 ones

Draws 2 hundreds, 7 tens, 4 ones

Draws 7 hundreds, 2 tens, 4 ones

Problem Set 2

- | | | | | | |
|----|----|---------------------------------|----|--|---|
| 1. | a. | Draws 1 hundred, 3 tens, 2 ones | 3. | a. | > |
| | b. | Draws 3 hundreds, 1 ten, 2 ones | | b. | < |
| | c. | Draws 2 hundreds, 1 ten, 3 ones | | c. | > |
| | d. | 312 | | d. | < |
| | e. | 132 | | e. | < |
| | f. | 132, 213, 312 | | f. | > |
| 2. | a. | Less than | | g. | = |
| | b. | Greater than | | h. | > |
| | c. | Greater than | | i. | < |
| | d. | Less than | | j. | = |
| | e. | Less than | | k. | > |
| | f. | Less than | 4. | Charlie; 42 tens = 420 and $420 > 390$ | |
| | g. | Greater than | | | |
| | h. | Greater than | | | |
| | i. | Less than | | | |
| | j. | Greater than | | | |

Exit Ticket

- | | | | |
|----|---|----|---|
| 1. | < | 5. | < |
| 2. | > | 6. | > |
| 3. | > | 7. | = |
| 4. | = | 8. | > |

Homework

1.
 - a. Draws 2 hundreds, 4 tens, 1 one
 - b. Draws 4 hundreds, 1 ten, 2 ones
 - c. Draws 1 hundred, 2 tens, 4 ones
 - d. 124, 241, 412
2.
 - a. Less than
 - b. Less than
 - c. Greater than
 - d. Greater than
 - e. Less than
 - f. Greater than
3.
 - a. >
 - b. <
 - c. <
 - d. =
 - e. >
 - f. >
 - g. =
 - h. <

Lesson 17

Sprint

Side A

1. 11	12. 12	23. 11	34. 13
2. 12	13. 13	24. 12	35. 13
3. 13	14. 17	25. 11	36. 14
4. 16	15. 17	26. 12	37. 14
5. 16	16. 11	27. 11	38. 15
6. 11	17. 15	28. 12	39. 15
7. 12	18. 11	29. 11	40. 12
8. 13	19. 12	30. 15	41. 14
9. 18	20. 14	31. 13	42. 16
10. 18	21. 14	32. 15	43. 18
11. 11	22. 16	33. 15	44. 13

Side B

1. 11	12. 12	23. 11	34. 14
2. 12	13. 13	24. 12	35. 14
3. 13	14. 15	25. 11	36. 15
4. 19	15. 15	26. 12	37. 15
5. 19	16. 11	27. 14	38. 16
6. 11	17. 14	28. 11	39. 16
7. 12	18. 11	29. 12	40. 12
8. 13	19. 12	30. 11	41. 14
9. 17	20. 14	31. 13	42. 16
10. 17	21. 14	32. 13	43. 18
11. 11	22. 18	33. 13	44. 13

Problem Set

- | | | | | | |
|----|----|---------------------------------|----|----|---|
| 1. | a. | Draws 2 hundreds, 1 ten, 7 ones | 3. | a. | < |
| | b. | Draws 21 tens, 7 ones | | b. | > |
| | c. | Draws 1 hundred, 17 ones | | c. | = |
| | d. | Draws 11 tens, 7 ones | | d. | < |
| | | Circles = for both problems | | e. | < |
| 2. | a. | Greater than | | f. | < |
| | b. | Equal to | | g. | = |
| | c. | Less than | | h. | < |
| | d. | Less than | | i. | > |
| | e. | = | | j. | = |
| | f. | < | | k. | > |
| | g. | < | | l. | = |
| | h. | > | | m. | < |
| | i. | < | | n. | > |
| | j. | > | | o. | > |
| | | | | p. | > |

Exit Ticket

- | | | |
|----|----|---------------------------------|
| 1. | a. | Draws 1 hundred, 4 tens, 2 ones |
| | b. | Draws 12 tens, 4 ones |
| | | Circles > |
| 2. | a. | > |
| | b. | > |
| | c. | = |
| | d. | > |

Homework

1.
 - a. Draws 2 hundreds, 13 ones
 - b. Draws 12 tens, 8 onesCircles >
2.
 - a. >
 - b. >
 - c. <
 - d. =
 - e. >
 - f. <
 - g. <
 - h. =
 - i. >
 - j. >
 - k. >
 - l. >

Lesson 18

Sprint

Side A

1. 11	12. 12	23. 11	34. 13
2. 12	13. 13	24. 12	35. 13
3. 13	14. 17	25. 11	36. 14
4. 16	15. 17	26. 12	37. 14
5. 16	16. 11	27. 11	38. 15
6. 11	17. 15	28. 12	39. 15
7. 12	18. 11	29. 11	40. 12
8. 13	19. 12	30. 15	41. 14
9. 18	20. 14	31. 13	42. 16
10. 18	21. 14	32. 15	43. 18
11. 11	22. 16	33. 15	44. 13

Side B

1. 11	12. 12	23. 11	34. 14
2. 12	13. 13	24. 12	35. 14
3. 13	14. 15	25. 11	36. 15
4. 19	15. 15	26. 12	37. 15
5. 19	16. 11	27. 14	38. 16
6. 11	17. 14	28. 11	39. 16
7. 12	18. 11	29. 12	40. 12
8. 13	19. 12	30. 11	41. 14
9. 17	20. 14	31. 13	42. 16
10. 17	21. 14	32. 13	43. 18
11. 11	22. 18	33. 13	44. 13

Problem Set

1.
 - a. Draws place value disks to show 119
 - b. Draws place value disks to show 123
 - c. Draws place value disks to show 120
 - d. 119, 120, 123
2.
 - a. 297, 436, 805
 - b. 307, 317, 370
 - c. 268, 682, 826
 - d. 509, 519, 591
 - e. 716, 716, 716
3.
 - a. 802, 731, 598
 - b. 820, 812, 128
 - c. 333, 330, 303
 - d. 140, 114, 104
 - e. 691, 619, 196
4.
 - a. $>$; $>$
 - b. $=$; $<$
 - c. $=$; $=$
 - d. $>$; $>$
 - e. $>$; $>$
 - f. $<$; $<$

Exit Ticket

1.
 - a. 152, 426, 801
 - b. 206, 602, 620
 - c. 374, 473, 743
2.
 - a. 421, 412, 411
 - b. 815, 508, 185

Homework

1.
 - a. Draws place value disks to show 241
 - b. Draws place value disks to show 412
 - c. Draws place value disks to show 124
 - d. 124, 241, 412
2.
 - a. 263, 537, 912
 - b. 203, 213, 230
 - c. 485, 845, 854
3.
 - a. 311, 311, 311
 - b. 970, 907, 890
 - c. 451, 415, 154

Lesson 19

Sprint

Side A

- | | | | |
|--------|--------|--------|--------|
| 1. 2 | 12. 16 | 23. 3 | 34. 11 |
| 2. 12 | 13. 1 | 24. 13 | 35. 1 |
| 3. 4 | 14. 11 | 25. 2 | 36. 11 |
| 4. 14 | 15. 3 | 26. 12 | 37. 4 |
| 5. 6 | 16. 13 | 27. 4 | 38. 14 |
| 6. 16 | 17. 5 | 28. 14 | 39. 1 |
| 7. 2 | 18. 15 | 29. 1 | 40. 11 |
| 8. 12 | 19. 2 | 30. 11 | 41. 3 |
| 9. 4 | 20. 12 | 31. 3 | 42. 13 |
| 10. 14 | 21. 4 | 32. 13 | 43. 2 |
| 11. 6 | 22. 14 | 33. 1 | 44. 12 |

Side B

- | | | | |
|--------|--------|--------|--------|
| 1. 1 | 12. 15 | 23. 5 | 34. 12 |
| 2. 11 | 13. 2 | 24. 15 | 35. 1 |
| 3. 3 | 14. 12 | 25. 1 | 36. 11 |
| 4. 13 | 15. 4 | 26. 11 | 37. 5 |
| 5. 5 | 16. 14 | 27. 3 | 38. 15 |
| 6. 15 | 17. 6 | 28. 13 | 39. 2 |
| 7. 1 | 18. 16 | 29. 2 | 40. 12 |
| 8. 11 | 19. 1 | 30. 12 | 41. 4 |
| 9. 3 | 20. 11 | 31. 3 | 42. 14 |
| 10. 13 | 21. 3 | 32. 13 | 43. 1 |
| 11. 5 | 22. 13 | 33. 2 | 44. 11 |

Problem Set

1. 342; 253; 412; 565; 671; 783
142; 53; 212; 365; 471; 583
252; 163; 322; 475; 581; 693
232; 143; 302; 455; 561; 673
243; 154; 313; 466; 572; 684
241; 152; 311; 464; 570; 682
2. a. 315
b. 438
c. 535
d. 100
e. 10
f. 1
g. 404
h. 382
i. 839
j. 936
3. a. 367, 368, 369, 370, 371, 372, 373, 374, 375
b. 422, 432, 442, 452, 462, 472, 482, 492
c. 156, 256, 356, 456, 556, 656, 756, 856
d. 269, 268, 267, 266, 265, 264, 263, 262, 261
e. 581, 571, 561, 551, 541, 531, 521, 511
f. 914, 814, 714, 614, 514, 414, 314
g. Answers will vary.
4. 917; explanations will vary.

Exit Ticket

- a. 249
- b. 424
- c. 10
- d. 100
- e. 600
- f. 251
- g. 978
- h. 724

Homework

1. 246; 335; 457; 581; 772; 914
46; 135; 257; 381; 572; 714
156; 245; 367; 491; 682; 824
136; 225; 347; 471; 662; 804
147; 236; 358; 482; 673; 815
145; 234; 356; 480; 671; 813
2. a. 104
b. 388
c. 445
d. 100
e. 10
f. 1
g. 618
h. 556
i. 918
j. 964

Lesson 20

Sprint

Side A

- | | | | |
|--------|--------|--------|--------|
| 1. 2 | 12. 16 | 23. 3 | 34. 11 |
| 2. 12 | 13. 1 | 24. 13 | 35. 1 |
| 3. 4 | 14. 11 | 25. 2 | 36. 11 |
| 4. 14 | 15. 3 | 26. 12 | 37. 4 |
| 5. 6 | 16. 13 | 27. 4 | 38. 14 |
| 6. 16 | 17. 5 | 28. 14 | 39. 1 |
| 7. 2 | 18. 15 | 29. 1 | 40. 11 |
| 8. 12 | 19. 2 | 30. 11 | 41. 3 |
| 9. 4 | 20. 12 | 31. 3 | 42. 13 |
| 10. 14 | 21. 4 | 32. 13 | 43. 2 |
| 11. 6 | 22. 14 | 33. 1 | 44. 12 |

Side B

- | | | | |
|--------|--------|--------|--------|
| 1. 1 | 12. 15 | 23. 5 | 34. 12 |
| 2. 11 | 13. 2 | 24. 15 | 35. 1 |
| 3. 3 | 14. 12 | 25. 1 | 36. 11 |
| 4. 13 | 15. 4 | 26. 11 | 37. 5 |
| 5. 5 | 16. 14 | 27. 3 | 38. 15 |
| 6. 15 | 17. 6 | 28. 13 | 39. 2 |
| 7. 1 | 18. 16 | 29. 2 | 40. 12 |
| 8. 11 | 19. 1 | 30. 12 | 41. 4 |
| 9. 3 | 20. 11 | 31. 3 | 42. 14 |
| 10. 13 | 21. 3 | 32. 13 | 43. 1 |
| 11. 5 | 22. 13 | 33. 2 | 44. 11 |

Problem Set

1.
 - a. 40
ten
 - b. 200
hundred
 - c. 400
hundred
 - d. 300
hundred
 - e. 800
hundred
2.
 - a. 119
 - b. 306
 - c. 129
 - d. 10
 - e. 1
 - f. 100
 - g. 296
 - h. 994
 - i. 905
 - j. 999
3.
 - a. 106, 107, 108, 109, 110, 111, 112, 113, 114, 115
 - b. 467, 477, 487, 497, 507, 517, 527
 - c. 342, 442, 542, 642, 742, 842, 942
 - d. 325, 324, 323, 322, 321, 320, 319, 318
 - e. 888, 878, 868, 858, 848, 838, 828, 818, 808
 - f. 805, 705, 605, 505, 405, 305, 205, 105, 5
4. 7 times; explanations will vary.

Exit Ticket

1. 210
ten
2.
 - a. 149
 - b. 404
 - c. 10
 - d. 706
 - e. 994
 - f. 899

Homework

1.
 - a. 159
 - b. 402
 - c. 325
 - d. 1
 - e. 10
 - f. 694
 - g. 1086
 - h. 825
2.
 - a. 204, 205, 206, 207, 208, 209, 210, 211, 212
 - b. 376, 386, 396, 406, 416, 426, 436
 - c. 582, 592, 602, 612, 622, 632
 - d. 908, 808, 708, 608, 508, 408, 308, 208, 108, 8
3. 8 times; explanations will vary.

Lesson 21

Sprint

Side A

- | | | | |
|-------|--------|-------|-------|
| 1. 5 | 12. 7 | 23. 8 | 34. 6 |
| 2. 10 | 13. 4 | 24. 1 | 35. 7 |
| 3. 9 | 14. 1 | 25. 2 | 36. 1 |
| 4. 1 | 15. 10 | 26. 5 | 37. 3 |
| 5. 2 | 16. 5 | 27. 6 | 38. 5 |
| 6. 8 | 17. 3 | 28. 3 | 39. 7 |
| 7. 7 | 18. 8 | 29. 4 | 40. 3 |
| 8. 3 | 19. 6 | 30. 2 | 41. 5 |
| 9. 4 | 20. 9 | 31. 3 | 42. 2 |
| 10. 6 | 21. 10 | 32. 4 | 43. 4 |
| 11. 2 | 22. 9 | 33. 5 | 44. 6 |

Side B

- | | | | |
|-------|--------|-------|-------|
| 1. 10 | 12. 3 | 23. 8 | 34. 4 |
| 2. 5 | 13. 6 | 24. 5 | 35. 5 |
| 3. 1 | 14. 9 | 25. 6 | 36. 5 |
| 4. 9 | 15. 10 | 26. 1 | 37. 7 |
| 5. 8 | 16. 5 | 27. 2 | 38. 1 |
| 6. 2 | 17. 7 | 28. 2 | 39. 3 |
| 7. 3 | 18. 2 | 29. 3 | 40. 2 |
| 8. 7 | 19. 4 | 30. 3 | 41. 4 |
| 9. 6 | 20. 1 | 31. 4 | 42. 3 |
| 10. 4 | 21. 10 | 32. 6 | 43. 5 |
| 11. 8 | 22. 9 | 33. 7 | 44. 5 |

Problem Set

1.
 - a. 326, 327, 328, 329, 330, 331, 332, 333, 334
 - b. 472, 482, 492, 502, 512, 522, 532
 - c. 930, 920, 910, 900, 890, 880, 870, 860
 - d. 708, 608, 508, 408, 308, 208, 108
2.
 - a. 299, 300, 301, 302
 - b. 123, 113, 103, 93
 - c. 557, 657, 757, 857
 - d. 598, 608, 618, 628
 - e. 133; 135; 136
 - f. 509; 609; 909
 - g. 200; 180; 170
3.
 - a. 74; 75; 84; 92; 93; 95; 96; 104; 105; 116; 117
 - b. 347; 348; 353; 364; 365; 367; 376; 378; 379; 383; 384; 395; 396; 397

Exit Ticket

1. 110; 112; 113
2. 700; 680; 670
3. 442; 542; 842
4. 892; 882; 862

Homework

1.
 - a. 398, 399, 400, 401
 - b. 451, 551, 651, 751
 - c. 496, 506, 516, 526
 - d. 610, 600, 590, 580
 - e. 210; 211; 212
 - f. 416; 516; 816
 - g. 537; 517; 497
 - h. 682; 702; 712
2.
 - a. 207; 208; 209; 210
 - b. 217; 219
 - c. 225; 226; 227; 228; 229
 - d. 238